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ANNEXIN DERIVATIVES WITH ENDOGENOUS CHELATION SITES

Abstract of the Disclosure

Modified annexins having an N-terminal chelation site comprising an amino acid extension are disclosed. The amino acid extension includes an amino acid sequence X_1 -Gly- X_2 , where X_1 and X_2 are selected from Gly and Cys, where at least one of X_1 or X_2 is Cys. Radionuclides are readily chelated by the modified annexins to provide radiolabeled annexins useful in imaging vascular thrombi and apoptosis *in vivo*.